

PTO/SB/17 (12-04)

Approved for use through 07/31/2008. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b>		<b>Complete if Known</b>	
<b>Fee TRANSMITTAL</b> <b>For FY 2005</b>		<b>Application Number</b> 10/608,088 <b>Filing Date</b> 06/30/2003 <b>First Named Inventor</b> Felix Buechi <b>Examiner Name</b> Canteimo, Gregg <b>Art Unit</b> 1745 <b>Attorney Docket No.</b> 2003P09049US	<b>RECEIVED</b> <b>CENTRAL FAX CENTER</b> <b>MAY 2 2006</b>
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
<b>TOTAL AMOUNT OF PAYMENT</b> (\$ 180.00)			

**METHOD OF PAYMENT** (check all that apply)

<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 502,464 Deposit Account Name: Siemens Switzerland

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments

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**FEES CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<b>Application Type</b>	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		<b>Fees Paid (\$)</b>
	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50      25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200      100
Multiple dependent claims	

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	
				<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 20 or HP =	x 50	=			
HP = highest number of total claims paid for, if greater than 20					

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	
				<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 3 or HP =	x 200	=			
HP = highest number of independent claims paid for, if greater than 3					

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 =	0	/ 50 = 0 (round up to a whole number)	x 250 =	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Surcharge pursuant to 37 CFR 1.17(p) 180.00

<b>SUBMITTED BY</b>		Signature	Registration No. 34,733 (Attorney/Agent)	Telephone (407) 736 2415
Name (Print/Type)		Daniel J. Staudt Date May 2, 2006		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MAY 02 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Felix BUECHI

Art Unit: 1745

Serial No.: 10/608,088

Examiner: Gregg Cantelmo

Filing Date: 06/30/2003

Atty. Docket: 2003P09049US

For: *Method and Apparatus for Humidification of the Membrane of a Fuel Cell*INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
U.S Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying form PTO/SB/08A are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§1.56, 1.97 and 1.98.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that an exhaustive search has been made, or that there does not exist information more material to the examination of the present patent application. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will review art of record in all 35 U.S.C. §120 priority documents.

The Information Disclosure Statement lists a document (DE 199 21 007 C1) that is not in English. It relates to humidifying the membrane of a PEM fuel cell. The membranes of the membrane electrode assembly are humidified via gas channels incorporated in bipolar plates, which are clad with a fluid transporting capillary layer. This layer extends between a region in which the thermodynamic state of the gas is below the water saturation dew point and a region in which the thermodynamic state of the gas

05/03/2006 TL0111 00000052 502464 10600008

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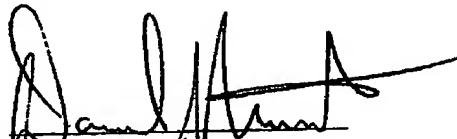
is above the dew point, for water condensation. A transfer of humidity is achieved along the porous layer.

It is respectfully requested that the Examiner initial and return a copy of the enclosed form and to indicate in the official file of this patent application that the documents have been considered.

It is Applicants understanding that no fee is due for this request. However, in the event that the Patent and Trademark Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No.: 502464 referencing docket no.: 2003P09049US. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Date: 3/2/06



Daniel J. Staudt  
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Customer No.: 28204

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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/608,088
(use as many sheets as necessary)		Filing Date	06/30/2003
		First Named Inventor	Felix BUECHI
		Art Unit	1745
		Examiner Name	to be assigned
Sheet	1	of	1
		Attorney Docket Number	2003P09049US

Examiner Signature		Date Considered	
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\*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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